ITGAE monoclonal antibody, clone LF61

Catalog # MAB5260 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against native ITGAE.
Immunogen	Native purified ITGAE from hairy cell leukaemia cells.
Host	Mouse
Reactivity	Human
Specificity	LF61 recognizes the human CD103 cell surface antigen, a glycoprotein expressed by approximately 1% of peripheral blood lymphocytes, activated T lymphocytes and by hairy cell leukaemia cells. The a ntigen is also expressed by intraepithelial lymphocytes. It has recently been shown to be identical to t he alpha E integrin.
Form	Liquid
Isotype	IgG1
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBSd (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Frozen sections)
- Flow Cytometry
- Immunoprecipitation

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Gene Info — ITGAE

Entrez GeneID	3682
Gene Name	ITGAE
Gene Alias	CD103, HUMINAE, MGC141996
Gene Description	integrin, alpha E (antigen CD103, human mucosal lymphocyte antigen 1; alpha polypeptide)
Omim ID	604682
Gene Ontology	Hyperlink
Gene Summary	Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta c hain. This gene encodes an I-domain-containing alpha integrin that undergoes post-translational c leavage in the extracellular domain, yielding disulfide-linked heavy and light chains. In combination with the beta 7 integrin, this protein forms the E-cadherin binding integrin known as the human mu cosal lymphocyte-1 antigen. This protein is preferentially expressed in human intestinal intraepithe lial lymphocytes (IEL), and in addition to a role in adhesion, it may serve as an accessory molecul e for IEL activation. [provided by RefSeq
Other Designations	HML-1 antigen|antigen CD103, human mucosal lymphocyte antigen 1; alpha polypeptide|integrin alpha-IEL|integrin, alpha E

Pathway

- Regulation of actin cytoskeleton

Disease

- Brain Ischemia
- Cardiovascular Diseases
- Coronary Disease
- Genetic Predisposition to Disease
- Graves Ophthalmopathy
- Myocardial Infarction
- Sarcoidosis

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- Stroke
- Tobacco Use Disorder

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